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BOOKS AND PERIODICALS.

Traité de Géométrie. Per C. Guichard, Professeur L'Université de Clermont, Deuxième Partie, Compléments. Paper bound. Price, 6 fr. Paris: Librarie Nony & C^{ie}.

This is Volume II of the Treatise on Geometry. The first volume treats of plane and solid geometry. The second volume is divided into five sections. The first section is divided into nine chapters, and some of the subjects here treated in a very excellent way are, Geometry of Systems of Lines, Systems of Circles, Transversals, Reciprocal Polars, Involution, Inversion, Tangent Circles, and the Nine Point Circle. The second section contains, among other subjects, Orthogonal Projections, Theory of Vectors, and Central Projections. The third part treats of Poles and Polar Planes with Respect to a Sphere, Inverse Figures in Space, Orthogonal Spheres, and Geometry of the Sphere. The fourth part treats of the Conic Sections, and the fifth part of Geometry of Position and the Measurement of Areas. The work contains many interesting theorems and discussions not found in the ordinary text-book on Geometry. F.

Quinn's Geometry Tablet, Adapted to Geometry and Physics. Scranton, Wetmore & Co., Rochester, N. Y.

This Tablet is adapted to formal written work in original demonstrations; a few sheets at the end of the tablet are intended for construction problems. By its use the labor of examining students' daily written work should be materially reduced.

Annals of Mathemathics. Published quarterly, and under the auspices of Harvard University. Price, $2.00 per year, in advance.

The April number contains the following articles: The Cardiod and Tricuspid; Quartics with Three Cusps, by R. C. Archibald; Note on a Partial Differential Equation of the First Order, by Dr. E. D. Roe, Jr.; On a Generalization of the Set of Associated Minimum Surfaces, by A. S. Gale; Twisted Quartic Curves of the First Species, and Certain Covariant Quartics, by H. S. White; On the Characteristics of Differential Equations, Part I, by E. R. Hendrick.

The American Journal of Mathematics. Published, quarterly, under the auspices of the Johns Hopkins University. Price, $5.00 per year in advance.

Numbsr 2, Volume XXV, contains the following articles: The Double Six Configuration Connected with the Cubic Surface, and a Related Group of Cremona Transformations, by Edward Kasner; Untersuchungen über Linear Differentialgleichungen 4 Ordnung und die zugehhörigen Gruppen, Von Saul Epsteen; The Logic of Relations, Logical Substitution Groups, and Cardinal Numbers, by A. W. Whitehead; On Differential Equations Belonging to Ternary Linearoid Groups, by F. E. Ross; On a Certain Group of Isomorphisms, by J. W. Young.

The Mathematical Gazette. Edited by J. W. Greenstreet, Stroud, England.

The May number contains several important articles, among which are On the Representation of Imaginary Points by Real Points in the Plane, and An Elementary Introduction to the Infinitesimal Calculus of Surfaces.